



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/228,668	08/26/2002	Mai Trinh Lee	M-15025US	8094

32605 7590 03/22/2007
MACPHERSON KWOK CHEN & HEID LLP
2033 GATEWAY PLACE
SUITE 400
SAN JOSE, CA 95110

EXAMINER

BOUTAH, ALINA A

ART UNIT	PAPER NUMBER
----------	--------------

2143

MAIL DATE	DELIVERY MODE
-----------	---------------

03/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Notice of Abandonment

Application No.

10/228,668

Examiner

Alina N. Boutah

Applicant(s)

LEE ET AL.


Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on 27 February 2006.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection.
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
 - (d) ☒ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____. The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawings have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ The decision by the Board of Patent Appeals and Interference rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

EAST Search History

S23	262	375/360.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 11:52
S24	2	S23 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 11:52
S26	407	tim\$3 adj3 (recover\$3 or synchroniz\$5) and preamble and (boundary or trail\$3 or transition ot fall\$3 or drop\$4) same \$6correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 11:56
S27	1340	tim\$3 adj3 (recover\$3 or synchroniz\$5) and preamble and (boundary or trail\$3 or transition ot fall\$3 or drop\$4) and \$6correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 11:56
S28	304	tim\$3 adj3 (recover\$3 or synchroniz\$5) with preamble and symbol and (boundary or trail\$3 or drop\$4 or fall\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 13:03
S29	1048	375/355.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 13:03
S30	9	S29 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 13:03
S31	442	375/364.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 13:09
S32	4	S31 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 13:09
S33	28	tim\$3 adj3 (recover\$3 or synchroniz\$5) and preamble and (boundary or trail\$3 or transition ot fall\$3 or drop\$4) same auto\$3correlat\$3 and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 13:16

EAST Search History

S34	3	tim\$3 adj3 (recover\$3 or synchroniz\$5) and preamble and (boundary or trail\$3 or transition ot fall\$3 or drop\$4) same auto\$3correlat\$3 same plateau and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:05
S35	266	packet and symbol same boundary same (detect\$3 or determin\$5 or test\$3 or check\$3) and tim\$3 adj3 synchroniz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:54
S36	7	S35 and auto\$3correlat\$3 and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 15:52
S37	0	EP adj3 "02079374"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 06:54
S38	0	EP adj3 "2079374"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 06:24
S39	0	PCT/BE2003/000178	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 06:32
S40	0	PCT/BE03/000178	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 06:32
S41	1	PCT/BE03/00178	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 06:32
S42	0	EP with "02090257.3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 06:54
S43	3	preamble and (boundary or trail\$3 or transition ot fall\$3 or drop\$4) same auto\$3correlat\$3 same plateau and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:07

EAST Search History

S44	7	preamble and auto\$3correlat\$3 same plateau and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:52
S45	4	S44 not S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:15
S46	2	"7123670"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:18
S47	6	"6674817"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:20
S48	11	"6658063"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:24
S49	71	"5602835"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:25
S50	3	"5602835" and auto\$3correlat\$3 and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:28
S51	5	"5602835" and cross\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:27
S52	2	S51 not S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:27
S53	9	"5602835" and auto\$3correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:30

EAST Search History

S54	6	S53 not S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:28
S55	44	"5602835" and correlat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:31
S56	33	S55 not S51 not S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:38
S57	3	2002/0181509	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:39
S58	2	"20030231718"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:43
S59	2	wo adj3 00/77961	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 09:36
S60	26	("20020065047" "5802117" "5991289" "6021110" "6058101" "6198782" "6285654" "6332008" "6353642" "6363084" "6373861" "6393073" "6400782" "6418158" "6470030" "6487252" "6538986" "6539063" "6614864" "6643336" "6647066" "6678339" "6714511" "6765969" "6807241" "6891792").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/21 07:47
S61	9	preamble and auto\$3correlat\$3 same (approximat\$3 or estimat\$3 or detect\$3 or detrerminat\$3) with (boundary or trail\$3 or fall\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:57
S62	5	preamble and auto\$3correlat\$3 same (approximat\$3 or estimat\$3 or detect\$3 or detrerminat\$3) with (trail\$3 or fall\$3 or drop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:56
S63	160	preamble and auto\$3correlat\$3 and (approximat\$3 or estimat\$3 or detect\$3 or detrerminat\$3) with (trail\$3 or fall\$3 or drop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:57

EAST Search History

S64	5	S61 not S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:57
S65	88	preamble and auto\$3correlat\$3 and (approximat\$3 or estimat\$3) with (trail\$3 or fall\$3 or drop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:52
S66	3	preamble and auto\$3correlat\$3 and (approximat\$3 or estimat\$3) with (trail\$3 or fall\$3 or drop\$4) with boundary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:58
S67	17	preamble and auto\$3correlat\$3 and (approximat\$3 or estimat\$3) same (trail\$3 or fall\$3 or drop\$4) same boundary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 07:59
S70	2	2001-182548	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 10:17
S71	1	2002-50819	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 09:41
S72	348	preamble and "802.11a" and "802.11g"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 10:37
S73	135	preamble same long same short and "802.11a" and "802.11g"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 10:45
S74	121	S73 and (symbol or sample)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 10:39
S75	118	S73 and (symbol or sample) and "16"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 10:39

EAST Search History

S76	121	preamble same long same short and ("802.11a" with "802.11g")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 10:45
S77	12	preamble same long same short same ("802.11a" with "802.11g")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:33
S78	247	(Symbol or sample) with boundary with (detect\$3 or determinat\$3 or estimat\$3) and (network adj3 access adj2 point or mobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:51
S80	9	"802.11" and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:50
S81	2	(Symbol or sample) with boundary with (detect\$3 or determinat\$3 or estimat\$3) and (network adj3 access adj2 point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:51
S82	1	S65 and (network adj3 access adj2 point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:52
S83	266	packet and symbol same boundary same (detect\$3 or determin\$5 or test\$3 or check\$3) and tim\$3 adj3 synchroniz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:53
S84	3	S83 and (network adj3 access adj2 point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:54
S85	3	S83 and (network adj3 access adj2 point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/21 11:54